

SEQUENCE LISTING

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<120> Chromo protein

<130> A31348A

<160> 12

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<211> 229

<212> PRT

<213> Cnidopus japonicus

<400> 1

Met Ala Ser Met Ile Lys Asp Val Met Arg Phe Lys Met Asn Met Glu

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Gly Thr Val Asn Gly His His Phe Lys Cys Glu Ala Asp Gly Glu Gly

20 25 30

Lys Pro Tyr Glu Gly Thr Gln Leu Gly Arg Ile Arg Val Thr Glu Gly

35 40 45

Gly Pro Leu Pro Phe Ser Phe Asp Ile Leu Ser Thr Cys Thr Gln Tyr

50 55 60

Gly Ser Lys Thr Met Ile Lys His Leu Ser Gly Ile Pro Asp Tyr Phe

65 70 75 80

Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Asn Thr Ile Tyr

85 90 95

Glu Asp Gly Gly His Leu Thr Ala His Gln Asp Thr Ser Leu Lys Gly

100 105 110

Asp Cys Leu Ile Tyr Lys Val Lys Val Leu Gly Gly Asn Phe Pro Ala

115 120 125

Asn Gly Pro Val Met Gln Lys Lys Ser Lys Gly Trp Glu Pro Cys Thr
 130 135 140
 Glu Met Leu Tyr Pro Arg Asp Gly Val Leu Cys Gly Gln Thr Leu Met
 145 150 155 160
 Ala Leu Lys Cys Ala Asn Gly Lys Asn Leu Thr Cys Gln Leu Arg Ser
 165 170 175
 Thr Tyr Arg Ser Arg Lys Gln Ala Ser Ala Leu Gln Thr Pro Gly Phe
 180 185 190
 His Phe Gly Asp His Arg Ile Glu Ile Leu Lys Glu Ala Glu Gly Gly
 195 200 205
 Asn Tyr Phe Glu Gln His Glu Thr Ser Val Ala Arg Tyr Cys Asp Val
 210 215 220
 Ala Pro Ser Lys His
 225

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<211> 690

<212> DNA

<213> Cnidopus japonicus

<400> 2

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 Met Ala Ser Met Ile Lys Asp Val Met Arg Phe Lys Met Asn Met Glu
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 ggg acg gtt aac ggc cac cac ttc aag tgt gaa gct gat gga gag ggc 96
 Gly Thr Val Asn Gly His His Phe Lys Cys Glu Ala Asp Gly Glu Gly
 20 25 30
 aag cca tat gaa ggg act caa ctc gga aga ata agg gtc acc gaa ggc 144

Lys	Pro	Tyr	Glu	Gly	Thr	Gln	Leu	Gly	Arg	Ile	Arg	Val	Thr	Glu	Gly	
		35					40					45				
ggg	cca	ttg	ccg	ttt	tct	ttc	gac	atc	ttg	tcg	act	tgc	act	caa	tat	192
Gly	Pro	Leu	Pro	Phe	Ser	Phe	Asp	Ile	Leu	Ser	Thr	Cys	Thr	Gln	Tyr	
		50				55					60					
gga	agc	aag	acc	atg	atc	aag	cat	ttg	tcc	ggg	att	cca	gac	tac	ttt	240
Gly	Ser	Lys	Thr	Met	Ile	Lys	His	Leu	Ser	Gly	Ile	Pro	Asp	Tyr	Phe	
		65			70					75					80	
aag	cag	tct	ttt	cca	gaa	gga	ttc	acc	tgg	gaa	agg	aac	aca	atc	tat	288
Lys	Gln	Ser	Phe	Pro	Glu	Gly	Phe	Thr	Trp	Glu	Arg	Asn	Thr	Ile	Tyr	
			85						90						95	
gag	gat	ggt	ggt	cac	ctc	aca	gct	cac	caa	gac	act	agt	ctt	aag	gga	336
Glu	Asp	Gly	Gly	His	Leu	Thr	Ala	His	Gln	Asp	Thr	Ser	Leu	Lys	Gly	
			100				105						110			
gat	tgc	ctg	atc	tat	aaa	gtg	aaa	gtc	ctt	gga	ggt	aat	ttt	cct	gcc	384
Asp	Cys	Leu	Ile	Tyr	Lys	Val	Lys	Val	Leu	Gly	Gly	Asn	Phe	Pro	Ala	
			115				120						125			
aat	ggc	cct	gtg	atg	cag	aag	aag	agc	aaa	gga	tgg	gaa	ccc	tgt	acc	432
Asn	Gly	Pro	Val	Met	Gln	Lys	Lys	Ser	Lys	Gly	Trp	Glu	Pro	Cys	Thr	
			130				135					140				
gaa	atg	ctt	tat	cca	cgt	gat	gga	gtg	ctt	tgt	ggc	caa	aca	ttg	atg	480
Glu	Met	Leu	Tyr	Pro	Arg	Asp	Gly	Val	Leu	Cys	Gly	Gln	Thr	Leu	Met	
			145			150				155					160	
gca	ctt	aaa	tgc	gcc	aat	ggt	aaa	aat	ctg	act	tgc	cag	cta	aga	tct	528
Ala	Leu	Lys	Cys	Ala	Asn	Gly	Lys	Asn	Leu	Thr	Cys	Gln	Leu	Arg	Ser	
				165					170					175		
act	tac	agg	tcc	aga	aaa	caa	gcc	agt	gca	ttg	cag	aca	cca	ggc	ttc	576

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<210> 5

<211> 36

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

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ggccacgcgt cgactagtac gggiigggi gggiig

36

<210> 6

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 6

atagatcagg caatctccc

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<210> 7

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 7

ggccacgcgt cgactagtac

20

<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 8

ggtgagctgt gaggtgacca

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<210> 9

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 9

caccgaaggc gggccattgc

20

<210> 10

<211> 44

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 10

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<210> 11

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 11

cgggatccga ccatggcttc aatgattaaa g 31

<210> 12

<211> 33

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 12

ccggaattct tagtgctttg acggggcaac atc 33